



HYPEL® PELD50/.924

Entec Polymers - Low Density Polyethylene

Tuesday, November 5, 2019

General Information

General

Material Status	• Commercial: Active
Availability	• North America
Features	• Food Contact Acceptable • Low Density
Agency Ratings	• FDA 21 CFR 176.170, Table 2, Cond. B • FDA 21 CFR 176.170, Table 2, Cond. C • FDA 21 CFR 176.170, Table 2, Cond. D • FDA 21 CFR 176.170, Table 2, Cond. E • FDA 21 CFR 176.170, Table 2, Cond. F • FDA 21 CFR 176.170, Table 2, Cond. G • FDA 21 CFR 176.170, Table 2, Cond. H • FDA 21 CFR 177.1520
RoHS Compliance	• RoHS Compliant
Forms	• Pellets

ASTM & ISO Properties ¹

Physical	Nominal Value	Unit	Test Method
Density / Specific Gravity	0.924		ASTM D792
Melt Mass-Flow Rate (190°C/2.16 kg)	50	g/10 min	ASTM D1238
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield, 73°F)	1700	psi	ASTM D638
Tensile Strength (Break, 73°F)	1300	psi	ASTM D638
Tensile Elongation (Break, 73°F)	100	%	ASTM D638
Flexural Modulus - 2% Secant (73°F)	50000	psi	ASTM D790
Thermal	Nominal Value	Unit	Test Method
Vicat Softening Temperature	208	°F	ASTM D1525 ²

Notes

¹ Typical properties: these are not to be construed as specifications.

² Rate A (50°C/h), Loading 1 (10 N)